

5/784148

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<u>L9</u>	L8 and database and ((search\$ or match\$) with (product or item or goods))	16	<u>L9</u>
<u>L8</u>	Intranet and kiosk\$ and ((product or item) with coordinat\$) and @ad<=20000217	24	<u>L8</u>
<u>L7</u>	L1 not (Internet or www or web)	2	<u>L7</u>
<u>L6</u>	L4 not (Internet or www or web)	0	<u>L6</u>
<u>L5</u>	L4 and kiosk\$	14	<u>L5</u>
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<u>L2</u>	L1 and database and ((search\$ or match\$) with (product or item or goods))	23	<u>L2</u>
<u>L1</u>	Intranet and ((product or item) near3 coordinat\$) and @ad<=20000217	44	<u>L1</u>

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L10: Entry 1 of 2

File: USPT

Feb 24, 2004

US-PAT-NO: 6697103

DOCUMENT-IDENTIFIER: US 6697103 B1

**** See image for Certificate of Correction ****

TITLE: Integrated network for monitoring remote objects

DATE-ISSUED: February 24, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fernandez; Dennis Sunga	Woodside	CA	94062	
Fernandez; Irene Hu	Woodside	CA	94062	

APPL-NO: 09/ 045412 [PALM]

DATE FILED: March 19, 1998

INT-CL: [07] H04 N 7/18

US-CL-ISSUED: 348/143; 148/152, 148/169

US-CL-CURRENT: 348/143; 348/148, 348/152, 348/169

FIELD-OF-SEARCH: 348/142-169, 701/209, 701/16, 701/23, 701/24, 705/417, 382/104, 455/432, 340/905, 340/995, 340/539, 441/36, 342/41, 342/357

PRIOR-ART-DISCLOSED:

U. S. PATENT DOCUMENTS

 [Search Selected](#) [Search All](#) [Clear](#)

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<u>4511886</u>	April 1985	Rodriguez	
<u>4524384</u>	June 1985	Lefkowitz et al.	
<u>4591823</u>	May 1986	Horvat	340/53
<u>4965574</u>	October 1990	Fukushinma et al.	340/995
<u>4994971</u>	February 1991	Poelstra	364/424.04
<u>5223844</u>	June 1993	Mansell et al.	
<u>5515285</u>	May 1996	Garrett, Sr. et al.	364/460
<u>5539429</u>	July 1996	Yano et al.	345/173
<u>5633946</u>	May 1997	Lachinski et al.	
<u>5673305</u>	September 1997	Ross	

<input type="checkbox"/>	<u>5694322</u>	December 1997	Westerlage et al.	364/464.27
<input type="checkbox"/>	<u>5712899</u>	January 1998	Pace, II	379/58
<input type="checkbox"/>	<u>5726660</u>	March 1998	Purdy et al.	
<input type="checkbox"/>	<u>5774070</u>	June 1998	Rendon	340/905
<input type="checkbox"/>	<u>5809161</u>	September 1998	Auty et al.	382/104
<input type="checkbox"/>	<u>5970481</u>	October 1999	Westerlage et al.	705/417
<input type="checkbox"/>	<u>6018697</u>	January 2000	Morimoto et al.	701/209
<input type="checkbox"/>	<u>6055426</u>	April 2000	Beasley	455/432
<input type="checkbox"/>	<u>6122573</u>	September 2000	Higashi et al.	701/23
<input type="checkbox"/>	<u>6128571</u>	October 2000	Ito et al.	701/201
<input type="checkbox"/>	<u>6154693</u>	November 2000	Aberschitz et al.	701/16

OTHER PUBLICATIONS

"Intrinsyc Announces Server for Embedded Computer Applications", Internet Computing, Jun. 5, 1997 (<http://www.zdnet.com/icom/news/199706/03/news3.html>).

ART-UNIT: 2613

PRIMARY-EXAMINER: Kelley; Chris

ASSISTANT-EXAMINER: Vo; Tung

ATTY-AGENT-FIRM: Fernandez & Associates, LLP

ABSTRACT:

Integrated imaging and GPS network monitors remote object movement. Browser interface displays objects and detectors. Database stores object position movement. Cameras detect objects and generate image signal. Internet provides selectable connection between system controller and various cameras according to object positions.

20 Claims, 4 Drawing figures

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L10: Entry 2 of 2

File: USPT

Sep 3, 2002

US-PAT-NO: 6446045
DOCUMENT-IDENTIFIER: US 6446045 B1

TITLE: Method for using computers to facilitate and control the creating of a plurality of functions

DATE-ISSUED: September 3, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Stone; Lucinda	Dallas	TX	75240	
Dean; Michael A.	Dallas	TX	75240	

APPL-NO: 09/ 480303 [PALM]
DATE FILED: January 10, 2000

INT-CL: [07] C06 F 17/60

US-CL-ISSUED: 705/26
US-CL-CURRENT: 705/26

FIELD-OF-SEARCH: 705/14, 705/26, 705/27

PRIOR-ART-DISCLOSED:**U.S. PATENT DOCUMENTS**[Search Selected](#) [Search All](#) [Clear](#)

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>5193056</u>	March 1993	Boes	
<input type="checkbox"/> <u>5581461</u>	December 1996	Coll et al.	
<input type="checkbox"/> <u>5724520</u>	March 1998	Goheen	
<input type="checkbox"/> <u>5794207</u>	August 1998	Walker et al.	
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<input type="checkbox"/> <u>5893076</u>	April 1999	Hafner et al.	

<input type="checkbox"/>	<u>5946646</u>	August 1999	Schena	
<input type="checkbox"/>	<u>6026371</u>	February 2000	Beck et al.	705/14
<input type="checkbox"/>	<u>6038545</u>	March 2000	Mandeberg et al.	705/27
<input type="checkbox"/>	<u>6064967</u>	May 2000	Speicher	705/14
<input type="checkbox"/>	<u>6119101</u>	September 2000	Peckover	705/14
<input type="checkbox"/>	<u>6324519</u>	November 2001	Eldering	705/14
<input type="checkbox"/>	<u>2001/0011226</u>	August 2001	Greer et al.	705/14

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
408249426	September 1996	JP	

OTHER PUBLICATIONS

"Groups set to unveil Web ad guidelines" Dec. 9, 1996, Advertising Age, vol. 67, No. 50, p. 1.*
 "ABC formally launches Reader Profile Service as NAA unveils the NICC's silhouette" Aug. 2, 1999, NewsInc, vol. 11, NO. 1.*
 Hamblen, Matt, "Shell protects brand via net" Jan. 10, 2000, Computerworld, vol. 34, No. 2, p. 39.

ART-UNIT: 2167

PRIMARY-EXAMINER: Olszewski; Robert P.

ASSISTANT-EXAMINER: Jaketic; Bryan

ATTY-AGENT-FIRM: Croskell, Esq.; Henry

ABSTRACT:

The present invention is a method and apparatus that allows competing as well as complementing suppliers, vendors, service providers, purveyors, and other types of sellers internal inventory management as well as controlled design and publication of presentations for external near real-time interactive access to buyer-centered presentation, sales, distribution, and confirmation systems as well as other traditional media advertising and outreach. The Automated Media Presentation Generator including a Publication and Placement Control Engine, integrates a Distributed Sales and Inventory Control structure with Processing and Communications Resource Saver, and further provides a Reservation, Access, and Verification System replacing traditional ticket and confirmation methods.

23 Claims, 35 Drawing figures

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L10: Entry 2 of 2

File: USPT

Sep 3, 2002

DOCUMENT-IDENTIFIER: US 6446045 B1

TITLE: Method for using computers to facilitate and control the creating of a plurality of functions

Application Filing Date (1):20000110Brief Summary Text (9):

In the prior art, electronic Internet and Intranet presentations are developed either as static files that require constant and laborious manual updating or as dynamic (database-driven)

Brief Summary Text (10):

Although the dynamic presentations require less labor to produce and update, the various Internet or Intranet search or retrieval programs do not generally read or index them because of their "dynamic, database-driven" nature. This fact alone substantially reduces their effectiveness in reaching the most motivated buying public because those presentations are largely invisible to the wide range of automated searches conducted by potential buyers. With either design choice, substantial cost is experienced for the small to mid-size seller, either in the form of labor intensive presentation methods or in lost sales opportunity, which can never be recovered.

Brief Summary Text (11):

The electronic Internet malls and electronic directories, although generally much better staffed and able to produce effectively designed and edited content to motivate the buyer, suffer in part from the same dilemma. They are still faced with the same no-win choice between the labor intensive creation and placement for each presentation that gets the maximum visibility to the search methods of potential buyers and the easier database-driven presentation which get minimal visibility. One of the disadvantages to the advertising client of these electronic directories is that they find themselves publishing the same information in multiple directories or indexes as well as in their own stand-alone presentations in order to obtain the maximum coverage for access to the buying public. This supervision of multiple presentations is a control and management problem that is very costly and inefficient for the seller.

Brief Summary Text (16):

The invention allows sellers to present their inventory, products, goods and services in a choice of one or a variety of supported media outlets: in print, such as newspapers, magazines, periodicals, guidebooks, catalogs, brochures, fliers, and directories; in electronic form, such as online directories, web sites, bulletin boards, news groups, CD-ROMs, and interactive media and networks; and in other media, such as billboards, skywriters, bus benches, radio, interactive kiosk and any other form of customer outreach or information distribution. When these media choices are made, the present invention prompts the seller for information that is then used in the creation of presentations for the media outlets he has chosen. The Presentation Rules Database holds all the criteria, formatting architecture, and

distribution factors for each participating media outlet. The present invention's Presentation Generation Program, along with the Presentation Rules Database, then creates a presentation for each and every media outlet the seller has chosen. The Presentation Generation Program then either transmits the presentation to the appropriate destination or holds it for a publication date to be submitted for a particular deadline or predetermined promotional market.

Brief Summary Text (20):

The invention is a method and apparatus that allows for the creation of presentations that comply with the design and architectural requirements of any and all participating media. This is applicable to all media either in print, such as newspapers, magazines, advertisements, guidebooks, directories, fliers, and brochures; and electronic media, such as online directories and malls, web sites, bulletin boards, news groups, CD-ROMs, and interactive media and networks; and other media, such as billboards, skywriters, bus benches, radio, interactive kiosk, and any other form of customer advertising, outreach, or information distribution. These presentations can be updated for either presentation content or inventory control in near real time, by either manual or automatic means, via electronic message units from third-party management or inventory control software. Electronic presentations created can be either static open-access or database driven dynamic server presentations. Where appropriate, these presentations allow for the sale of products, goods, or services and for the making of payments by buyers. Inventory adjustments for production, sales, and other reasons are made in near real time, allowing for an accurate presentation of availability of inventory to buyers. The present invention allows for lower cost to management when used with all media outlets by creating a self-serve, automated billing environment for the seller's creation and display of presentations.

Brief Summary Text (21):

The invention is a method and apparatus that allows for the creation of both static and dynamic Internet and Intranet presentations for the sale of products, goods, and services to be accessible to the maximum number buyers and the interactive purchase of those products, goods and service. The present invention is a method and apparatus that allows buyers to purchase products, goods and service electronically and receive confirmation of that purchase.

Brief Summary Text (23):

The present invention allows for both complete inventory control and management and the global updating and accessibility of real-time and time-sensitive inventory while saving communication resources and time for any and all businesses that sell products, goods, and services regionally or world-wide. The invention allows for a substantial reduction of the communications and computer resources necessary to control and coordinate the availability, presentation, and sales of common, unique, or time-sensitive products, goods, and services. The present invention allows for the sales process to be adjusted so as to optimize the communications and computer resources used in relationship to the sales volume and Seller, Buyer, and usage profiles.

Brief Summary Text (42):

To allow for a more convenient method of purchase of tickets, passes, admission documents, or reserved services, or for the late purchase of those tickets, passes, admission documents, or reserved services beyond what would be feasible if physical delivery of the access or admission documents were required. The present invention allows for purchases to be made and buyer IDs to be transmitted to the facility, site, business or venue within a matter of minutes of the buyer arriving for admittance. By using an electronic network, Internet, Intranet, or phone service, a buyer could literally make the purchase by laptop computer with wireless modem or by cell phone from the car on the way to the facility, site, business, or venue for admittance. The invention, when used in conjunction with an electronic inventory-available presentation, can allow buyers to become aware of and take advantage of

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1. Document ID: US 6721713 B1

L5: Entry 1 of 14

File: USPT

Apr 13, 2004

US-PAT-NO: 6721713

DOCUMENT-IDENTIFIER: US 6721713 B1

TITLE: Business alliance identification in a web architecture framework

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Claims](#) [KIMC](#) [Drawn D](#)

2. Document ID: US 6662357 B1

L5: Entry 2 of 14

File: USPT

Dec 9, 2003

US-PAT-NO: 6662357

DOCUMENT-IDENTIFIER: US 6662357 B1

**** See image for Certificate of Correction ****

TITLE: Managing information in an integrated development architecture framework

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Claims](#) [KIMC](#) [Drawn D](#)

3. Document ID: US 6629081 B1

L5: Entry 3 of 14

File: USPT

Sep 30, 2003

US-PAT-NO: 6629081

DOCUMENT-IDENTIFIER: US 6629081 B1

**** See image for Certificate of Correction ****

TITLE: Account settlement and financing in an e-commerce environment

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Claims](#) [KIMC](#) [Drawn D](#)

4. Document ID: US 6615166 B1

L5: Entry 4 of 14

File: USPT

Sep 2, 2003

US-PAT-NO: 6615166

DOCUMENT-IDENTIFIER: US 6615166 B1

TITLE: Prioritizing components of a network framework required for implementation of technology

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Abstract](#) | [Claims](#) | [KMMC](#) | [Drawn D](#)

5. Document ID: US 6536037 B1

L5: Entry 5 of 14

File: USPT

Mar 18, 2003

US-PAT-NO: 6536037

DOCUMENT-IDENTIFIER: US 6536037 B1

**** See image for Certificate of Correction ****

TITLE: Identification of redundancies and omissions among components of a web based architecture

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Abstract](#) | [Claims](#) | [KMMC](#) | [Drawn D](#)

6. Document ID: US 6519571 B1

L5: Entry 6 of 14

File: USPT

Feb 11, 2003

US-PAT-NO: 6519571

DOCUMENT-IDENTIFIER: US 6519571 B1

TITLE: Dynamic customer profile management

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Abstract](#) | [Claims](#) | [KMMC](#) | [Drawn D](#)

7. Document ID: US 6473794 B1

L5: Entry 7 of 14

File: USPT

Oct 29, 2002

US-PAT-NO: 6473794

DOCUMENT-IDENTIFIER: US 6473794 B1

TITLE: System for establishing plan to test components of web based framework by displaying pictorial representation and conveying indicia coded components of existing network framework

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Abstract](#) | [Claims](#) | [KMMC](#) | [Drawn D](#)

8. Document ID: US 6405364 B1

L5: Entry 8 of 14

File: USPT

Jun 11, 2002

US-PAT-NO: 6405364

DOCUMENT-IDENTIFIER: US 6405364 B1

TITLE: Building techniques in a development architecture framework

9. Document ID: US 6401085 B1

L5: Entry 9 of 14

File: USPT

Jun 4, 2002

US-PAT-NO: 6401085

DOCUMENT-IDENTIFIER: US 6401085 B1

TITLE: Mobile communication and computing system and method

10. Document ID: US 6370573 B1

L5: Entry 10 of 14

File: USPT

Apr 9, 2002

US-PAT-NO: 6370573

DOCUMENT-IDENTIFIER: US 6370573 B1

TITLE: System, method and article of manufacture for managing an environment of a development architecture framework

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L5: Entry 1 of 14

File: USPT

Apr 13, 2004

US-PAT-NO: 6721713
DOCUMENT-IDENTIFIER: US 6721713 B1

TITLE: Business alliance identification in a web architecture framework

DATE-ISSUED: April 13, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Guheen; Michael F.	Tiburon	CA		
Mitchell; James D.	Manhattan Beach	CA		
Barrese; James J.	San Jose	CA		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Andersen Consulting LLP	Chicago	IL			02

APPL-NO: 09/ 320816 [PALM]

DATE FILED: May 27, 1999

INT-CL: [07] G06 F 17/00

US-CL-ISSUED: 705/1, 707/503, 709/223

US-CL-CURRENT: 705/1, 709/223, 715/503

FIELD-OF-SEARCH: 705/1, 705/39, 707/503, 709/223, 717/151

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

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<input type="checkbox"/> <u>4674043</u>	June 1987	Hernandez et al.	707/503
<input type="checkbox"/> <u>4937863</u>	June 1990	Robert et al.	710/200
<input type="checkbox"/> <u>5023907</u>	June 1991	Johnson et al.	710/200
<input type="checkbox"/> <u>5579222</u>	November 1996	Bains et al.	717/167
<input type="checkbox"/> <u>5615312</u>	March 1997	Kohler	358/1.9
<input type="checkbox"/> <u>5710887</u>	January 1998	Chelliah et al.	705/26
<input type="checkbox"/> <u>5740549</u>	April 1998	Reilly et al.	705/14

<input type="checkbox"/>	<u>5745681</u>	April 1998	Levine et al.	709/200
<input type="checkbox"/>	<u>5752238</u>	May 1998	Dedrick	705/14
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<input type="checkbox"/>	<u>5819092</u>	October 1998	Ferguson et al.	717/113
<input type="checkbox"/>	<u>5826242</u>	October 1998	Montulli	705/27
<input type="checkbox"/>	<u>5848396</u>	December 1998	Gerace	705/10
<input type="checkbox"/>	<u>5870555</u>	February 1999	Pruett et al.	709/223
<input type="checkbox"/>	<u>5873069</u>	February 1999	Reuhl et al.	705/20
<input type="checkbox"/>	<u>5890137</u>	March 1999	Koreeda	705/26
<input type="checkbox"/>	<u>5958008</u>	September 1999	Pogrebinsky et al.	709/229

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
6-274504	September 1994	JP	
WO 97/21179	June 1997	WO	

OTHER PUBLICATIONS

Stein, Tom; Manufacturing: Key Word: Integration; Information week, p223+; dialog copy pp. 1-7.

ART-UNIT: 3629

PRIMARY-EXAMINER: Dixon, Thomas A.

ATTY-AGENT-FIRM: Merchant & Gould P.C.

ABSTRACT:

A system, method and article of manufacture are provided for identifying alliances among a plurality of business entities in components of a network framework. First, alliances are identified among a plurality of business entities in terms of components of a current network framework. Next, a pictorial representation is displayed of the current network framework and the components. The alliances are then conveyed by indicia coding the components of the current network framework in which the alliances exist.

10 Claims, 177 Drawing figures

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L5: Entry 2 of 14

File: USPT

Dec 9, 2003

US-PAT-NO: 6662357

DOCUMENT-IDENTIFIER: US 6662357 B1

**** See image for Certificate of Correction ****

TITLE: Managing information in an integrated development architecture framework

DATE-ISSUED: December 9, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bowman-Amuah; Michel K.	Colorado Springs	CO		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Accenture LLP	Palo Alto	CA			02

APPL-NO: 09/ 386891 [PALM]

DATE FILED: August 31, 1999

INT-CL: [07] G06 F 9/44

US-CL-ISSUED: 717/120

US-CL-CURRENT: 717/120

FIELD-OF-SEARCH: 717/1, 717/10

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

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PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>4558413</u>	December 1985	Schmidt et al.	
<input type="checkbox"/> <u>4809170</u>	February 1989	Leblang et al.	
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<input type="checkbox"/>	<u>6324647</u>	November 2001	Bowman-Amuah	

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FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
0538680	April 1993	EP	
WO 99/08208	February 1999	WO	
WO9926170	May 1999	WO	

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"Client/Server Programming with JAVA nad CORBA" Second Edition, Robert Orafali et al, Chapters 1-2, Jan. 30, 1997.*
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ART-UNIT: 2124

PRIMARY-EXAMINER: Ingberg; Todd

ATTY-AGENT-FIRM: Edwards; W. Glenn Oppenheimer Wolff & Donnelly LLP

ABSTRACT:

A system, method, and article of manufacture are provided for managing information in a development architecture framework. Common information that is used by a plurality of components of a system is allowed to be accessed in a single, shared repository. Unique information that is unique to the components of the system is stored in corresponding designated folders. Media content communicated in the system is managed based on metadata thereof.

18 Claims, 14 Drawing figures

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L5: Entry 3 of 14

File: USPT

Sep 30, 2003

US-PAT-NO: 6629081

DOCUMENT-IDENTIFIER: US 6629081 B1

**** See image for Certificate of Correction ****

TITLE: Account settlement and financing in an e-commerce environment

DATE-ISSUED: September 30, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cornelius; Richard D.	Santa Monica	CA		
Stepnyczka; Andreas	San Francisco	CA		
Chu; Kevin	Atlanta	GA		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Accenture LLP	Palo Alto	CA			02

APPL-NO: 09/ 470023. [PALM]

DATE FILED: December 22, 1999

INT-CL: [07] G06 F 17/60

US-CL-ISSUED: 705/30

US-CL-CURRENT: 705/30

FIELD-OF-SEARCH: 705/30, 705/34, 705/39, 705/40

PRIOR-ART-DISCLOSED:

U. S. PATENT DOCUMENTS

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	<u>6385595</u>	May 2002	Kolling et al.	

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July 2002

Walker et al.

2001/0023415

September 2001

Keil

705/44

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
04241893	August 1992	JP	
8202774	August 1996	JP	
WO 99/16029	April 1999	WO	

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Carsdirect.com; retrieved from the Internet on Dec. 13, 2001;
<http://www.carsdirect.com/the.sub.- company/cdc.sub.- advantage>.
eBay Incorporated, "Feedback Overview", Dec. 1998.

ART-UNIT: 3627

PRIMARY-EXAMINER: Olszewski; Robert P.

ASSISTANT-EXAMINER: Fischer; Andrew J.

ATTY-AGENT-FIRM: Oppenheimer Wolff & Donnelly LLP

ABSTRACT:

A system, method and article of manufacture are provided for account settlement utilizing a network. First, a buyer is allowed to select from a group of options in order to settle an account utilizing a network. The options include settling a minimum balance, partially settling, settling a full balance, and applying for an import loan on payment due date. The selected option is then received utilizing the network. Finance interest may then be booked against the buyer for an unpaid portion of the account if the selected option includes either settling a minimum balance or partially settling. If the selected option includes settling a full balance, the account may be reconciled. On the other hand, if the selected option includes applying for an import loan on payment due date, an import loan may be booked and a credit line may be transferred to a trade loan line.

18 Claims, 112 Drawing figures

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L10: Entry 1 of 2

File: USPT

Feb 24, 2004

DOCUMENT-IDENTIFIER: US 6697103 B1

**** See image for Certificate of Correction ****

TITLE: Integrated network for monitoring remote objects

Abstract Text (1):

Integrated imaging and GPS network monitors remote object movement. Browser interface displays objects and detectors. Database stores object position movement. Cameras detect objects and generate image signal. Internet provides selectable connection between system controller and various cameras according to object positions.

Application Filing Date (1):19980319**Brief Summary Text (7):**

The invention resides in an integrated fixed and/or wireless network and associated database and software functionality for monitoring and processing remote and/or local moveable objects. Preferably, the system implementation integrates singlechip digital imaging camera and Global Positioning Satellite system (GPS) receivers through generally accessible server processors using the Internet network and a software browser or functionally equivalent interface coupled thereto for monitoring and analyzing remote or local movement of one or more objects.

Brief Summary Text (8):

An object database or functionally equivalent data structure provided in digital storage and accessible to control software dynamically stores one or more positional and relative movement as well as optional associated map data. Various digital cameras preferably disposed at certain fixed and/or movable locations detect mobile objects and generate object image signal for processing thereof as described herein for particular applications.

Detailed Description Text (8):

Controller 6 may include one or more standard digital microprocessor unit, operating system software (e.g., Windows, NT, CE, etc.), digital storage devices (e.g., disk, memory, cache, etc.), output/input devices (e.g., keyboard, monitor, mouse, microphone, speaker, camera, etc.). Furthermore, controller 6 may include conventional network accessing interface firmware or circuit, such as Ethernet card, and remote processing or network access software such as web browser (e.g., Netscape Navigator, Microsoft Explorer, etc.), preferably using conventional or proprietary text, graphics, and other media format, such as Hyper Text Markup Language (HTML), Extensible Markup Language (XML), JAVA, or streamed video or audio data format. In this configuration, real-time or stored remote and/or local access is achieved via the Internet or functionally equivalent enterprise or intranet network of object data to or from one or more target units 4, for example, in accordance with the present invention.

Detailed Description Text (9):

As shown, network 8 further couples to one or more conventional Internet, intranet or other LAN/WAN network connection or server 5 and sensor or detector 3, as well as communicator 7 for communicating, preferably through conventional or proprietary

wireless connection, to one or more target unit 4. Note that server 5 may be any electronic hardware, firmware or software sufficient to couple detector 3 electrically and accessibly to network 8, and that detector 3 may provide substantially equivalent input functionality of sensor 44 of target unit 4. Preferably, electronic interface coupling between server 5 and network 8 provides for dynamic "hot-swap" interoperability, such that minimal network re-configuration and associated delay is required.

Detailed Description Text (14):

Integrated network growth is planned according to actual or anticipated network communication traffic corresponding to particular coupled detector-server sites, sets or geographical clusters thereof, such that locations associated with higher density of objects and/or movement thereof are installed with additional monitoring detector/server facilities. Accordingly, integrated system database maintains and updates past, current and planned location for each sensor coupled to such system, preferably as function of time or schedule. Additionally, when existing detector and/or server site is relocated, corresponding database entries 162 are updated.

Detailed Description Text (19):

In accordance with an important aspect of present invention, detectors 3 are accessible through the Internet, intranet, or other functionally equivalent networking connection. In this way, currently detected object data signal may be obtained therefrom. Any one or more user with proper access capability (e.g., computer with browser, Internet access, and proper authorizations) may observe or download such object data information, either in multi-cast mode (i.e., multiple observing controller users belonging to group, neighborhood or other common interest monitoring same detector or object or set thereof,) or point-to-point mode (i.e., single observing controller user monitoring one or more detector or object or set thereof). Data download may be delivered in JAVA applet format, preferably including search-able embedded pixel image or digital watermark, or otherwise authorized only to run on specified sites or processors. Preferably, each detector 3 couples continuously to provide digital data stream to Internet 8 generally through corresponding server 5 having identifiable IP address, packet identifier, or other network link to file or directory containing desired monitored object data.

Detailed Description Text (29):

Additionally, controller user may provide input to specify or request current or future monitoring or surveillance of one or more certain location (i.e., associated fixed detector site) or object (i.e., associated mobile target unit site). In this manner, software 66 is configured or updated via database records, object movement and observation rules, object, target unit or controller communications therewith, as well as any related transaction, diagnosis, reporting and security considerations appropriate to include, for recognizing or searching one or more object, or contextual observations at detector sites or object directories associated therewith.

Detailed Description Text (37):

Preferably target unit 4 is physically compact and/or rugged portable device, appropriate for hand-held use or mounting on instrumentation or in vehicle or automobile dashboard, and includes text multi-media, and/or graphic display output and associated drivers 43. Internet browser software may be provided therein to allow user remote communication and data access to other applications and databases via the Internet. Input functionality is provided for sensor 44, including possibly keypad, touch-screen, electrical signal port, etc. depending on application of target unit 4, such as hand-held use, or coupling to medical instrumentation.

Detailed Description Text (40):

Additionally software 66 therein includes operating system such as preferably Microsoft Windows or other conventional operating system, Internet browser software

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L5: Entry 3 of 14

File: USPT

Sep 30, 2003

US-PAT-NO: 6629081

DOCUMENT-IDENTIFIER: US 6629081 B1

**** See image for Certificate of Correction ****

TITLE: Account settlement and financing in an e-commerce environment

DATE-ISSUED: September 30, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cornelius; Richard D.	Santa Monica	CA		
Stepnyczka; Andreas	San Francisco	CA		
Chu; Kevin	Atlanta	GA		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Accenture LLP	Palo Alto	CA			02

APPL-NO: 09/ 470023 [PALM]

DATE FILED: December 22, 1999

INT-CL: [07] G06 F 17/60

US-CL-ISSUED: 705/30

US-CL-CURRENT: 705/30

FIELD-OF-SEARCH: 705/30, 705/34, 705/39, 705/40

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

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<input type="checkbox"/> <u>4823264</u>	April 1989	Deming	705/39
<input type="checkbox"/> <u>5168444</u>	December 1992	Cukor et al.	
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6418415 July 2002 Walker et al.

2001/0023415 September 2001 Keil

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FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
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8202774	August 1996	JP	
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BizRate.com, retrieved from the Internet on Dec. 13, 2001;
<http://www.bizrate.com/content/about.xpml>.
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<http://www.carsdirect.com/the.sub.- company/cdc.sub.- advantage>.
eBay Incorporated, "Feedback Overview", Dec. 1998.

ART-UNIT: 3627

PRIMARY-EXAMINER: Olszewski; Robert P.

ASSISTANT-EXAMINER: Fischer; Andrew J.

ATTY-AGENT-FIRM: Oppenheimer Wolff & Donnelly LLP

ABSTRACT:

A system, method and article of manufacture are provided for account settlement utilizing a network. First, a buyer is allowed to select from a group of options in order to settle an account utilizing a network. The options include settling a minimum balance, partially settling, settling a full balance, and applying for an import loan on payment due date. The selected option is then received utilizing the network. Finance interest may then be booked against the buyer for an unpaid portion of the account if the selected option includes either settling a minimum balance or partially settling. If the selected option includes settling a full balance, the account may be reconciled. On the other hand, if the selected option includes applying for an import loan on payment due date, an import loan may be booked and a credit line may be transferred to a trade loan line.

18 Claims, 112 Drawing figures

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L5: Entry 3 of 14

File: USPT

Sep 30, 2003

US-PAT-NO: 6629081

DOCUMENT-IDENTIFIER: US 6629081 B1

**** See image for Certificate of Correction ****

TITLE: Account settlement and financing in an e-commerce environment

DATE-ISSUED: September 30, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cornelius; Richard D.	Santa Monica	CA		
Stepnyczka; Andreas	San Francisco	CA		
Chu; Kevin	Atlanta	GA		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Accenture LLP	Palo Alto	CA			02

APPL-NO: 09/ 470023 [PALM]

DATE FILED: December 22, 1999

INT-CL: [07] G06 F 17/60

US-CL-ISSUED: 705/30

US-CL-CURRENT: 705/30

FIELD-OF-SEARCH: 705/30, 705/34, 705/39, 705/40

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

 [Search Selected](#) [Search All](#) [Clear](#)

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>4799156</u>	January 1989	Shavit et al.	
<input type="checkbox"/> <u>4823264</u>	April 1989	Deming	705/39
<input type="checkbox"/> <u>5168444</u>	December 1992	Cukor et al.	
<input type="checkbox"/> <u>5704045</u>	December 1997	King et al.	
<input type="checkbox"/> <u>5717989</u>	February 1998	Tozzoli et al.	
<input type="checkbox"/> <u>5732400</u>	March 1998	Mandler et al.	

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L7: Entry 1 of 2

File: USPT

Dec 11, 2001

US-PAT-NO: 6330487

DOCUMENT-IDENTIFIER: US 6330487 B1

TITLE: Computerized virtual paint manufacturing and application system

DATE-ISSUED: December 11, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jahn; Raimar A.	Farmington Hills	MI	48331	
Guerrini; Edward A.	Farmington	MI	48335	
Lamberty; Paul E.	Romeo	MI	48065	
Dine; Christopher T.	White Lake	MI	48383	
Barach; Aimee	Royal Oak	MI	48073	
Long; Kai	48165 Munster			DE
Nimphius; Dirk	48151 Munster			DE
Pitzer; Jurgen	59387 Ascheberg			DE

APPL-NO: 09/ 471713 [PALM]

DATE FILED: December 23, 1999

PARENT-CASE:

This is a continuation of U.S. patent application Ser. No. 08/966,960, filed Nov. 10, 1997; now U.S. Pat. No. 6,073,055 issued Jun. 6, 2000.

INT-CL: [07] G06 F 19/00, G06 F 17/30

US-CL-ISSUED: 700/97, 700/117, 118/696

US-CL-CURRENT: 700/97, 118/696, 700/117

FIELD-OF-SEARCH: 700/26, 700/117, 700/32, 700/24, 700/29, 700/27, 700/97, 700/28, 700/83, 700/123, 700/239, 700/180, 707/104, 702/130, 702/170, 324/716, 324/176, 356/355, 401/24, 401/29, 401/44, 118/696

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>4525071</u>	June 1985	Horowitz et al.	54/1
<input type="checkbox"/> <u>4593360</u>	June 1986	Cooks	700/123

<input type="checkbox"/>	<u>4705083</u>	November 1987	Rossetti	141/104
<input type="checkbox"/>	<u>5083591</u>	January 1992	Edwards et al.	141/9
<input type="checkbox"/>	<u>5504695</u>	April 1996	Yoshida et al.	702/170
<input type="checkbox"/>	<u>5689415</u>	November 1997	Calotychos et al.	700/67
<input type="checkbox"/>	<u>5886894</u>	March 1999	Rakoff	700/3
<input type="checkbox"/>	<u>6064919</u>	May 2000	Slusarczyk	700/117

ART-UNIT: 211

PRIMARY-EXAMINER: Gordon, Paul P.

ABSTRACT:

A computer-implemented apparatus and method for coordinating paint-related process steps of at least one paint-related facility. The paint-related process steps exhibit paint-related characteristics. A data acquisition module is provided for acquiring paint characteristic data indicative of the paint-related characteristics. A paint process control data structure is provided for interrelating the acquired paint characteristic data with at least two of the paint-related process steps to produce interrelated paint process control data. A paint process control coordinator is connected to the data acquisition module for storing the acquired paint characteristic data in the paint process control data structure. A data display is connected to the paint process control data structure for remotely receiving and viewing the interrelated paint process control data.

14 Claims, 20 Drawing figures

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L7: Entry 1 of 2

File: USPT

Dec 11, 2001

DOCUMENT-IDENTIFIER: US 6330487 B1

TITLE: Computerized virtual paint manufacturing and application system

Application Filing Date (1):19991223Detailed Description Text (14):

Networks 169 connect the various components of the system so that data communication can occur. The preferred embodiment for networks 169 utilizes an Intranet network 173 to perform data communication between components within the computerized virtual paint manufacturing and application system 120 and within the data sources 124. Moreover, paint manufacturer's remote sites are connected to Intranet 173. The customer remote sites 168 are connected to an Extranet network 175 to better ensure proper security exists in accessing the data from the computerized virtual paint manufacturing and application system 120. Security data is located preferably in technical database 172 for ensuring that only authorized users (whoever and wherever they may be) can view the portions of the information contained within the computerized virtual paint manufacturing and application system 120 that they are authorized to view.

Detailed Description Text (56):

FIG. 14 shows the steps involved in generating and utilizing automated weekly reports from the process control coordinator in order to analyze and control the operational parameters of the paint spraying system. At process block 500, factory technical service representatives input batch specific data into the process control coordinator data structures in real time. The batch specific data includes product data, plant data, batch performance data, and defect occurrence and type of defect. The process control coordinator generates a product-specific report that details the activities in the factory using information provided by the technical databases and the process control coordinator data structures.

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L5: Entry 4 of 14

File: USPT

Sep 2, 2003

US-PAT-NO: 6615166

DOCUMENT-IDENTIFIER: US 6615166 B1

TITLE: Prioritizing components of a network framework required for implementation of technology

DATE-ISSUED: September 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Guheen; Michael F.	Tiburon	CA		
Mitchell; James D.	Manhattan Beach	CA		
Barrese; James J.	San Jose	CA		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Accenture LLP	Palo Alto	CA			02

APPL-NO: 09/ 321274 [PALM]

DATE FILED: May 27, 1999

INT-CL: [07] G06 F 13/00

US-CL-ISSUED: 703/27; 703/26, 709/231, 709/316, 709/223, 709/220, 717/140

US-CL-CURRENT: 703/27; 703/26, 709/220, 709/223, 709/231, 717/140, 719/316

FIELD-OF-SEARCH: 703/27, 703/26, 345/356, 345/357, 345/735, 345/736, 707/10, 707/104, 709/231, 709/223, 709/316, 709/220, 709/226, 717/140, 717/176, 717/177, 370/412

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>4674043</u>	June 1987	Hernandez et al.	
<input type="checkbox"/> <u>4937863</u>	June 1990	Robert et al.	
<input type="checkbox"/> <u>5023907</u>	June 1991	Johnson et al.	
<input type="checkbox"/> <u>5204955</u>	April 1993	Kagei et al.	395/575
<input type="checkbox"/> <u>5216593</u>	June 1993	Dietrich et al.	364/402

<input type="checkbox"/>	<u>5579222</u>	November 1996	Bains et al.	
<input type="checkbox"/>	<u>5615312</u>	March 1997	Kohler	
<input type="checkbox"/>	<u>5710887</u>	January 1998	Chelliah et al.	
<input type="checkbox"/>	<u>5740549</u>	April 1998	Reilly et al.	
<input type="checkbox"/>	<u>5745681</u>	April 1998	Levine et al.	
<input type="checkbox"/>	<u>5752238</u>	May 1998	Dedrick	
<input type="checkbox"/>	<u>5799151</u>	August 1998	Hoffer	
<input type="checkbox"/>	<u>5819092</u>	October 1998	Ferguson et al.	
<input type="checkbox"/>	<u>5826242</u>	October 1998	Montulli	
<input type="checkbox"/>	<u>5848396</u>	December 1998	Gerace	
<input type="checkbox"/>	<u>5870559</u>	February 1999	Leshem et al.	395/200.54
<input type="checkbox"/>	<u>5873069</u>	February 1999	Reuhl et al.	
<input type="checkbox"/>	<u>5890137</u>	March 1999	Koreeda	
<input type="checkbox"/>	<u>5895477</u>	April 1999	Orr et al.	707/517
<input type="checkbox"/>	<u>6144962</u>	November 2000	Weinberg et al.	707/10
<input type="checkbox"/>	<u>6208345</u>	March 2001	Sheard et al.	345/356
<input type="checkbox"/>	<u>6269398</u>	July 2001	Leong et al.	709/224
<input type="checkbox"/>	<u>6324647</u>	November 2001	Bowman-Amuah	713/201
<input type="checkbox"/>	<u>6332163</u>	December 2001	Bowman-Amuah	709/231
<input type="checkbox"/>	<u>6473794</u>	October 2002	Guheen et al.	709/223
<input type="checkbox"/>	<u>6519571</u>	February 2003	Guheen et al.	705/14
<input type="checkbox"/>	<u>6536037</u>	March 2003	Guheen et al.	717/151

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FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
6-274504	September 1994	JP	

OTHER PUBLICATIONS

Chuah, M. et al., "Information Rich Glyphs for Software Management Data", *Information Visualization*, pp. 24-29 (Jul./Aug. 1998).
 DiCesare, F. et al., "An Interactive Multimedia Learning Module for Manufacturing Scheduling", *IEEE*, pp. 770-776 (Nov. 18, 1996).
 Hawley, J. et al., "Paperless Assembly Using Touchscreen Based Graphics", *IEEE/CHMT '91 IEMT Symposium*, pp. 231-234 (Sep. 16, 1991).
 Imhof, K. et al., "Show It With Colors. Connectivity, Status, and Value Information in Energy Management Systems", *IEEE Computer Applications in Power*, pp. 11-16 (Oct. 1990).

ART-UNIT: 2123

PRIMARY-EXAMINER: Lim; Krisna

ASSISTANT-EXAMINER: Phan; Thai

ATTY-AGENT-FIRM: Oppenheimer Wolff & Donnelly LLP

ABSTRACT:

A system and method are provided for prioritizing components of an existing network framework. First, a plurality of components required for implementation of a predetermined technology using an existing network framework are provided. Next, a priority listing of the components is complied such that the relative position of the components on the priority listing corresponds to a temporal priority among the components. The existing network framework and the components are pictorially represented. Next, a first component of the existing network framework is indicia coded in order to indicate that the first component must be installed first based on the component's position on the priority listing. Thereafter, a second component and any remaining components of the existing network framework is indicia encoded in order to indicate that the second component and any remaining components must be installed after the first component based on the second component's position on the priority listing.

18 Claims, 177 Drawing figures

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L5: Entry 5 of 14

File: USPT

Mar 18, 2003

US-PAT-NO: 6536037

DOCUMENT-IDENTIFIER: US 6536037 B1

**** See image for Certificate of Correction ****

TITLE: Identification of redundancies and omissions among components of a web based architecture

DATE-ISSUED: March 18, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Guheen; Michael F	Tiburon	CA		
Mitchell; James D.	Manhattan Beach	CA		
Barrese; James J.	San Jose	CA		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Accenture LLP	Chicago	IL			02

APPL-NO: 09/ 321952 [PALM]

DATE FILED: May 27, 1999

INT-CL: [07] G06 F 9/45

US-CL-ISSUED: 717/151; 717/151, 709/231, 703/2

US-CL-CURRENT: 717/151; 703/2, 709/231

FIELD-OF-SEARCH: 717/1, 717/11, 717/106, 717/114, 717/134, 717/135, 717/150, 705/21, 705/26, 705/25, 705/24, 705/27, 707/204, 707/205, 703/1, 703/2, 703/22, 709/231, 709/232, 709/213

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

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PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>4674043</u>	June 1987	Hernandez et al.	
<input type="checkbox"/> <u>4727243</u>	February 1988	Savar	705/17
<input type="checkbox"/> <u>4937863</u>	June 1990	Robert et al.	
<input type="checkbox"/> <u>5023907</u>	June 1991	Johnson et al.	

<input type="checkbox"/>	<u>5271000</u>	December 1993	Engbersen et al.	370/244
<input type="checkbox"/>	<u>5537585</u>	July 1996	Blickenstaff et al.	707/205
<input type="checkbox"/>	<u>5579222</u>	November 1996	Bains et al.	
<input type="checkbox"/>	<u>5615312</u>	March 1997	Kohler	
<input type="checkbox"/>	<u>5706502</u>	January 1998	Foley et al.	707/10
<input type="checkbox"/>	<u>5710887</u>	January 1998	Chelliah et al.	
<input type="checkbox"/>	<u>5740549</u>	April 1998	Reilly et al.	
<input type="checkbox"/>	<u>5745681</u>	April 1998	Levine et al.	
<input type="checkbox"/>	<u>5752238</u>	May 1998	Dedrick	
<input type="checkbox"/>	<u>5799151</u>	August 1998	Hoffer	
<input type="checkbox"/>	<u>5819092</u>	October 1998	Ferguson et al.	
<input type="checkbox"/>	<u>5826242</u>	October 1998	Montulli	
<input type="checkbox"/>	<u>5832522</u>	November 1998	Blickenstaff et al.	707/204
<input type="checkbox"/>	<u>5845262</u>	December 1998	Nozue et al.	705/26
<input type="checkbox"/>	<u>5848396</u>	December 1998	Gerace	
<input type="checkbox"/>	<u>5862381</u>	January 1999	Advani et al.	717/125
<input type="checkbox"/>	<u>5864823</u>	January 1999	Levitin	705/15
<input type="checkbox"/>	<u>5870716</u>	February 1999	Sugiyama et al.	705/26
<input type="checkbox"/>	<u>5870717</u>	February 1999	Wiecha	705/26
<input type="checkbox"/>	<u>5873069</u>	February 1999	Reuhl et al.	
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<input type="checkbox"/>	<u>5960411</u>	September 1999	Hartman et al.	705/26
<input type="checkbox"/>	<u>6101485</u>	August 2000	Fortenberry et al.	705/27
<input type="checkbox"/>	<u>6144976</u>	November 2000	Silva et al.	708/100
<input type="checkbox"/>	<u>6154738</u>	November 2000	Call	707/4
<input type="checkbox"/>	<u>6157934</u>	December 2000	Khan et al.	707/503
<input type="checkbox"/>	<u>6167383</u>	December 2000	Henson	705/26
<input type="checkbox"/>	<u>6208955</u>	March 2001	Provan et al.	703/20
<input type="checkbox"/>	<u>6230147</u>	May 2001	Alaia et al.	705/37
<input type="checkbox"/>	<u>6260024</u>	July 2001	Shkedv	705/37
<input type="checkbox"/>	<u>6263318</u>	July 2001	Kimura et al.	705/27
<input type="checkbox"/>	<u>6289371</u>	September 2001	Kumpf et al.	709/203
<input type="checkbox"/>	<u>6324183</u>	November 2001	Miller et al.	370/467
<input type="checkbox"/>	<u>6346945</u>	February 2002	Mansurov et al.	345/473

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO

PUBN-DATE

COUNTRY

US-CL

6-274504
WO 97/21179

September 1994
June 1997

JP
WO

OTHER PUBLICATIONS

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Ower, "A data model and architecture for hypermedia database visualization", ACM Web3D, pp 121-126, 2002.*

Knoblock et al, mixed initiative multi source information assistance:, ACM WWW10, pp 697-707, 2001.*

Portions of U.S. Ser. No. 09/321,492, "A System, Method and Article of Manufacture for Providing Commerce-Related Web Application Services", Attorney Docket No. M&G 8567.78US01, filed May 27, 1999, 9 pages.

Portions of U.S. Ser. No. 09/320,819, "A System, Method and Article of Manufacture for Providing Commerce-Related Web Application Services", Attorney Docket No. M&G 8567.79US01, filed May 27, 1999, 8 pages.

Portions of U.S. Ser. No. 09/321,280, "A System, Method and Article of Manufacture for Providing Web Application Services to Manage Customer Relations", Attorney Docket No. M&G 8567.80US01, filed May 27, 1999, 8 pages.

Portions of U.S. Ser. No. 09/321,951, "A System, Method and Article of Manufacture for Providing Content Management-Related Web Application Services", Attorney Docket No. M&G 8567.81US01, filed May 27, 1999, 8 pages.

Portions of U.S. Ser. No. 09/321,053, "A System, Method and Article of Manufacture for Providing Education-Related Web Application Services", Attorney Docket No. M&G 8567.82US01, filed May 27, 1999, 8 pages.

Portions of U.S. Ser. No. 09/321,493, "A System, Method and Article of Manufacture for Providing Customer Service-Related Web Application Services", Attorney Docket No. M&G 8567.83US01, filed May 27, 1999, 8 pages.

Portions of U.S. Ser. No. 09/321,359, "A System, Method and Article of Manufacture for Providing Security Services in a Web Architecture Framework", Attorney Docket No. M&G 8567.84US01, filed May 27, 1999, 8 pages.

Portions of U.S. Ser. No. 09/321,949, "A System, Method and Article of Manufacture for Providing Network Services in a Web Architecture Framework", Attorney Docket No. M&G 8567.85US01, filed May 27, 1999, 9 pages.

Portions of U.S. Ser. No. 09/321,953, "A System, Method and Article of Manufacture for Providing Internet Services in a Web Architecture Framework", Attorney Docket No. M&G 8567.86US01, filed May 27, 1999, 10 pages.

Portions of U.S. Ser. No. 09/321,361, "A System, Method and Article of Manufacture for Providing Client Services in a Web Architecture Framework", Attorney Docket No. M&G 8567.87US01, filed May 27, 1999, 7 pages.

Portions of U.S. Ser. No. 09/322,105, "A System, Method and Article of Manufacture for Providing Data Services in a Web Architecture Framework", Attorney Docket No. M&G 8567.88US01, filed May 27, 1999, 8 pages.

Portions of U.S. Ser. No. 09/321,304, "A System, Method and Article of Manufacture for Providing Integration Capabilities in a Web Architecture Framework", Attorney Docket No. M&G 8567.89US01, filed May 27, 1999, 8 pages.

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Portions of U.S. Ser. No. 09/321,052, "A System, Method and Article of Manufacture for Providing Directory Services in a Web Architecture Framework", Attorney Docket No. M&G 8567.91US01, filed May 27, 1999, 8 pages.

Portions of U.S. Ser. No. 09/320,817, "A System, Method and Article of Manufacture for Providing Management and Operations in a Web Architecture Framework", Attorney Docket No. M&G 8567.92US01, filed May 27, 1999, 8 pages.

Portions of U.S. Ser. No. 09/321,358, "A System, Method and Article of Manufacture for Providing Developer Services in a Web Architecture Framework", Attorney Docket No. M&G 8567.93US01, filed May 27, 1999, 8 pages.

Portions of U.S. Ser. No. 09/321,495, "Methods, Concepts and Technology for a Virtual Shopping System Capable of Assessing Needs of a Customer and Recommending a Product or Service Based on Such Assessed Needs", Attorney Docket No. M&G 85567.94US01, filed May 27, 1999, 7 pages.

Portions of U.S. Ser. No. 09/321,303, "Methods, Concepts and Technology for a Virtual Shopping System Capable of Allowing a User to Customize Products/Services that are Available for Purchase", Attorney Docket No. M&G 8567.95US01, filed May 27, 1999, 7 pages.

Portions of U.S. Ser. No. 09/321,305, "Methods, Concepts and Technology for a Virtual Shopping System Capable of Advertising Based on Products/Services that are Available for Purchase", Attorney Docket No. M&G 8567.96US01, filed May 27, 1999, 7 pages.

Portions of U.S. Ser. No. 09/321,514, "Methods, Concepts and Technology for a Virtual Shopping System Capable of Selectively Determining Prices and Availability on Products/Services Based on a Profile of a Current User", Attorney Docket No. M&G 8567.97US01, filed May 27, 1999, 7 pages.

Portions of U.S. Ser. No. 09/321,134, "Methods, Concepts and Technology for Curriculum Generation Based on a User Profile in an Internet Based Environment", Attorney Docket No. M&G 8567.98US01, filed May 27, 1999, 7 pages.

Portions of U.S. Ser. No. 09/321,954, "Methods, Concepts and Technology for Proactive Service Delivery Based on a User Profile in an Internet Based Environment", Attorney Docket No. M&G 8567.100US01, filed May 27, 1999, 7 pages.

Portions of U.S. Ser. No. 09/321,273, "Methods, Concepts and Technology for Dynamic Customer Profile Management", Attorney Docket No. M&G 8567.101US01, filed May 27, 1999, 7 pages.

Portions of U.S. Ser. No. 09/320,818, "Methods, Concepts and Technology for Dynamic Comparison of Product Features and Customer Profile", Attorney Docket No. M&G 8567.102US01, filed May 27, 1999, 7 pages.

Portions of U.S. Ser. No. 09/321,136, "A System, Method, and Article of Manufacture for Effectively Conveying Which Components of a System are Required for Implementation of Technology", Attorney Docket No. M&G 8567.104US01, filed May 27, 1999, 8 pages.

Portions of U.S. Ser. No. 09/321,274, "A System, Method, and Article of Manufacture for Prioritizing Components of a Network Framework Required for Implementation of Technology", Attorney Docket No. M&G 8567.105US01, filed May 27, 1999, 9 pages.

Portions of U.S. Ser. No. 09/321,360, "A System, Method, and Article of Manufacture for Phase Delivery of Components of a System Required for Implementation of Technology", Attorney Docket No. M&G 8567.106US01, filed May 27, 1999, 8 pages.

Portions of U.S. Ser. No. 09/321,279, "A System, Method, and Article of Manufacture for Comparatively Analyzing Vendors of Components Required for a Web-Based Architecture", Attorney Docket No. M&G 8567.107US01, filed May 27, 1999, 8 pages.

Portions of U.S. Ser. No. 09/322,073, "A System, Method, and Article of Manufacture for a Web-Based Architecture Sales Tool", Attorney Docket No. M&G 8567.108US01, filed May 27, 1999, 8 pages.

Portions of U.S. Ser. No. 09/320,921, "A System, Method, and Article of Manufacture for Building, Managing, and Supporting Various Components of a System", Attorney Docket No. M&G 8567.109US01, filed May 27, 1999, 8 pages.

Portions of U.S. Ser. No. 09/321,494, "A System, Method, and Article of Manufacture for Identifying Where Various Products are Focused in a Web Architecture Framework", Attorney Docket No. M&G 8567.110US01, filed May 27, 1999, 8 pages.

Portions of U.S. Ser. No. 09/320,816, "A System, Method, and Article of Manufacture for Business Alliance Identification in a Web Architecture Framework", Attorney Docket No. M&G 8567.111US01, filed May 27, 1999, 8 pages.

Portions of U.S. Ser. No. 09/321,135, "A System, Method, and Article of Manufacture for Establishing a Plan to Test Components of a Web Based Framework", Attorney Docket No. M&G 8567.112US01, filed May 27, 1999, 8 pages.

Portions of U.S. Ser. No. 09/321,950, "Methods, Concepts and Technology for a Virtual Shopping System Capable of Storing Previous Shopping Experiences for Later Reuse", Attorney Docket No. M&G 8567.113US01, filed May 27, 1999, 7 pages.

ART-UNIT: 2122

PRIMARY-EXAMINER: Khatri, Anil

ATTY-AGENT-FIRM: Merchant & Gould P.C.

ABSTRACT:

A system, method and article of manufacture are provided for conveying redundancies and omissions among components of a network framework such as a web architecture framework. First, an area of an existing network framework is determined in which redundancies and omissions exist. Next, a pictorial representation of the existing network framework is presented along with a plurality of its components. The foregoing redundancies and the omissions are then highlighted by indicia coding the components of the existing network that reside in the area. As such, a diagnostic analysis of redundant efforts and gaps in a current implementation of the existing network framework is effectively conveyed.

19 Claims, 177 Drawing figures

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L5: Entry 6 of 14

File: USPT

Feb 11, 2003

US-PAT-NO: 6519571

DOCUMENT-IDENTIFIER: US 6519571 B1

TITLE: Dynamic customer profile management

DATE-ISSUED: February 11, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Guheen; Michael F.	Tiburon	CA		
Mitchell; James D.	Manhattan Beach	CA		
Barrese; James J.	San Jose	CA		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Accenture LLP	Chicago	IL			02

APPL-NO: 09/ 321273 [\[PALM\]](#)

DATE FILED: May 27, 1999

INT-CL: [07] [G06 F 17/60](#)

US-CL-ISSUED: 705/14

US-CL-CURRENT: [705/14](#)

FIELD-OF-SEARCH: 705/1, 705/10, 705/14, 700/17, 700/83, 379/10, 379/14, 379/29

PRIOR-ART-DISCLOSED:

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[Search Selected](#) [Search All](#) [Clear](#)

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4937863	June 1990	Robert et al.	
5023907	June 1991	Johnson et al.	
5537314	July 1996	Kanter	705/14
5579222	November 1996	Bains et al.	
5615312	March 1997	Kohler	
5710887	January 1998	Chelliah et al.	

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<input type="checkbox"/>	<u>5745681</u>	April 1998	Levine et al.	
<input type="checkbox"/>	<u>5752238</u>	May 1998	Dedrick	
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<input type="checkbox"/>	<u>5848396</u>	December 1998	Gerace	
<input type="checkbox"/>	<u>5873069</u>	February 1999	Reuhl et al.	
<input type="checkbox"/>	<u>5890137</u>	March 1999	Koreeda	
<input type="checkbox"/>	<u>6014638</u>	January 2000	Burge et al.	705/14 X
<input type="checkbox"/>	<u>6236990</u>	May 2001	Geller et al.	707/5

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FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
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ART-UNIT: 3622

PRIMARY-EXAMINER: Gravini; Stephen

ATTY-AGENT-FIRM: Merchant & Gould P.C.

ABSTRACT:

The present invention is provided for utilizing various types of user indicia such as search requests, products purchased, products looked at but not purchased, products purchased and returned, reasons for returning products, customers stated profile including income level, education level, stated profession, etc. for the purpose of customizing a user interface.

17 Claims, 177 Drawing figures

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L5: Entry 7 of 14

File: USPT

Oct 29, 2002

US-PAT-NO: 6473794

DOCUMENT-IDENTIFIER: US 6473794 B1

TITLE: System for establishing plan to test components of web based framework by displaying pictorial representation and conveying indicia coded components of existing network framework

DATE-ISSUED: October 29, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Guheen; Michael F.	Tiburon	CA		
Mitchell; James D.	Manhattan Beach	CA		
Barrese; James J.	San Jose	CA		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Accenture LLP	Chicago	IL			02

APPL-NO: 09/ 321135 [\[PALM\]](#)

DATE FILED: May 27, 1999

INT-CL: [07] [G06 F 15/173](#)

US-CL-ISSUED: 709/223; 709/224

US-CL-CURRENT: [709/223](#); [709/224](#)

FIELD-OF-SEARCH: 709/223, 709/224, 717/1, 714/25

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

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4937863	June 1990	Robert et al.	
5023907	June 1991	Johnson et al.	
5421004	May 1995	Carpenter et al.	714/25
5579222	November 1996	Bains et al.	
5615312	March 1997	Kohler	

<input type="checkbox"/>	<u>5710887</u>	January 1998	Chelliah et al.	
<input type="checkbox"/>	<u>5740549</u>	April 1998	Reilly et al.	
<input type="checkbox"/>	<u>5745681</u>	April 1998	Levine et al.	
<input type="checkbox"/>	<u>5752238</u>	May 1998	Derick	
<input type="checkbox"/>	<u>5799151</u>	August 1998	Hoffer	
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<input type="checkbox"/>	<u>5826242</u>	October 1998	Montulli	
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<input type="checkbox"/>	<u>6112015</u>	August 2000	Planas et al.	709/223
<input type="checkbox"/>	<u>6137782</u>	October 2000	Sharon et al.	370/255
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FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
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Portions of U.S. Ser. No. 09/321,951, "A System, Method and Article of Manufacture for Providing Content Management-Related Web Application Services", Attorney Docket No. M&G 8567.81US01, filed May 27, 1999, 8 pages.

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Portions of U.S. Ser. No. 09/321,493, "A System, Method and Article of Manufacture for Providing Customer Service-Related Web Application Services", Attorney Docket No. M&G 8567.83US01, filed May 27, 1999, 8 pages.

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Portions of U.S. Ser. No. 09/321,953, "A System, Method and Article of Manufacture for Providing Internet Services in a Web Architecture Framework", Attorney Docket No. M&G 8567.86US01, filed May 27, 1999, 10 pages.

Portions of U.S. Ser. No. 09/321,361, "A System, Method and Article of Manufacture for Providing Client Services in a Web Architecture Framework", Attorney Docket No. M&G 8567.87US01, filed May 27, 1999, 7 pages.

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Portions of U.S. Ser. No. 09/321,304, "A System, Method and Article of Manufacture for Providing Integration Capabilities in a Web Architecture Framework", Attorney Docket No. M&G 8567.89US01, filed May 27, 1999, 8 pages.

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Portions of U.S. Ser. No. 09/321,358, "A System, Method and Article of Manufacture for Providing Developer Services in a Web Architecture Framework", Attorney Docket No. M&G 8567.93US01, filed May 27, 1999, 8 pages.

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Portions of U.S. Ser. No. 09/321,303, "Methods, Concepts and Technology for a Virtual Shopping System Capable of Allowing a User to Customize Products/Services that are Available for Purchase", Attorney Docket No. M&G 8567.95US01, filed May 27, 1999, 7 pages.

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Portions of U.S. Ser. No. 09/320,818, "Methods, Concepts and Technology for Dynamic Comparison of Product Features and Customer Profile", Attorney Docket No. M&G 8567.102US01, filed May 27, 1999, 7 pages.

Portions of U.S. Ser. No. 09/321,952, "A System, Method, and Article of Manufacture for Identification of Redundancies and Omissions Among Components of a Web Based Architecture", Attorney Docket No. M&G 8567.103US01, filed May 27, 1999, 8 pages.

Portions of U.S. Ser. No. 09/321,136, "A System, Method, and Article of Manufacture for Effectively Conveying Which Components of a System are Required for Implementation of Technology", Attorney Docket No. M&G 8567.104US01, filed May 27, 1999, 8 pages.

Portions of U.S. Ser. No. 09/321,274, "A System, Method, and Article of Manufacture

for Prioritizing Components of a Network Framework Required for Implementation of Technology", Attorney Docket No. M&G 8567.105US01, filed May 27, 1999, 9 pages. Portions of U.S. Ser. No. 09/321,360, "A System, Method, and Article of Manufacture for Phase Delivery of Components of a System Required for Implementation of Technology", Attorney Docket No. M&G 8567.106US01, filed May 27, 1999, 8 pages. Portions of U.S. Ser. No. 09/321,279, "A System, Method, and Article of Manufacture for Comparatively Analyzing Vendors of Components Required for a Web-Based Architecture", Attorney Docket No. M&G 8567.107US01, filed May 27, 1999, 8 pages. Portions of U.S. Ser. No. 09/322,073, "A System, Method, and Article of Manufacture for a Web-Based Architecture Sales Tool", Attorney Docket No. M&G 8567.108US01, filed May 27, 1999, 8 pages. Portions of U.S. Ser. No. 09/320,921, "A System, Method, and Article of Manufacture for Building, Managing, and Supporting Various Components of a System", Attorney Docket No. M&G 8567.109US01, filed May 27, 1999, 8 pages. Portions of U.S. Ser. No. 09/321,494, "A System, Method, and Article of Manufacture for Identifying Where Various Products are Focused in a Web Architecture Framework", Attorney Docket No. M&G 8567.110US01, filed May 27, 1999, 8 pages. Portions of U.S. Ser. No. 09/320,816, "A System, Method, and Article of Manufacture for Business Alliance Identification in a Web Architecture Framework", Attorney Docket No. M&G 8567.111US01, filed May 27, 1999, 8 pages. Portions of U.S. Ser. No. 09/321,950, "Methods, Concepts and Technology for a Virtual Shopping System Capable of Storing Previous Shopping Experiences for Later Reuse", Attorney Docket No. M&G 8567.113US01, filed May 27, 1999, 7 pages.

ART-UNIT: 2757

PRIMARY-EXAMINER: Lim; Krisna

ATTY-AGENT-FIRM: Merchant & Gould P.C.

ABSTRACT:

A system, method, and article of manufacture are provided for planning the testing of components of an existing network framework. First, a pictorial representation of an existing network framework is displayed along with a plurality of components of the existing network framework. Thereafter, the components of the existing network framework are indicia coded in order to convey a plan by which the components of the existing network framework are to be tested. The components may be indicia coded in order to convey an order of the testing or which components of the existing network framework are to be tested.

19 Claims, 177 Drawing figures

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L5: Entry 8 of 14

File: USPT

Jun 11, 2002

US-PAT-NO: 6405364

DOCUMENT-IDENTIFIER: US 6405364 B1

TITLE: Building techniques in a development architecture framework

DATE-ISSUED: June 11, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bowman-Amuah; Michel K.	Colorado Springs	CO		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Accenture LLP	Palo Alto	CA			02

APPL-NO: 09/ 386619 [PALM]

DATE FILED: August 31, 1999

INT-CL: [07] G06 F 9/44, G06 F 9/455

US-CL-ISSUED: 717/101, 717/120, 717/124, 717/102

US-CL-CURRENT: 717/101, 717/102, 717/120, 717/124

FIELD-OF-SEARCH: 717/1, 717/11, 717/101, 717/102, 717/103, 717/106, 717/107, 717/108, 717/120, 717/124

PRIOR-ART-DISCLOSED:

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<input type="checkbox"/> <u>5301320</u>	April 1994	McAttee et al.	395/650
<input type="checkbox"/> <u>5473777</u>	December 1995	Moeller et al.	717/5
<input type="checkbox"/> <u>5475845</u>	December 1995	Orton et al.	717/5
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<input type="checkbox"/> <u>5721908</u>	February 1998	Lagarde et. al.	395/610
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ART-UNIT: 2122

PRIMARY-EXAMINER: Dam; Tuan Q.

ASSISTANT-EXAMINER: Ingberg; Todd

ATTY-AGENT-FIRM: Burton; Daphne L. Oppenheimer Wolff & Donnelly LLP

ABSTRACT:

A system is provided for building systems in a development architecture framework. The present invention is directed to both a system to be built and an implementation strategy to fulfill system requirements. Software components of the system are encapsulated with wrappers. The wrappers are adapted to be changed upon other software components of the system being changed while the encapsulated software components of the system remain unchanged. In one embodiment of the present invention, specifying the requirements of the system to be built and the implementation strategy to fulfill the requirements may be carried out using tools such as data modeling tools, process modeling tools, event modeling tools, performance modeling tools, object modeling tools, component modeling tools, reuse support tools, prototyping tools, application logic design tools, database design tools, presentation design tools, communication design, and usability test tools. In another embodiment of the present invention, improving the performance and maintenance of the system may be carried out using tools such as interactive

navigation tools, graphical representation tools, extraction tools, repository tools, restructuring tools, and data name rationalization tools.

12 Claims, 14 Drawing figures

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L5: Entry 9 of 14

File: USPT

Jun 4, 2002

US-PAT-NO: 6401085

DOCUMENT-IDENTIFIER: US 6401085 B1

TITLE: Mobile communication and computing system and method

DATE-ISSUED: June 4, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gershman; Anatole Vitaly	Chicago	IL		
Swaminathan; Kishore Sundaram	Downers Grove	IL		
Meyers; James L.	Chicago	IL		
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ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Accenture LLP	Palo Alto	CA			02

APPL-NO: 09/ 263969 [PALM]

DATE FILED: March 5, 1999

PARENT-CASE:

CROSS-REFERENCE TO RELATED APPLICATION The following applications are related to the present application in that they were filed on the same date while claiming different inventions, are assigned to the same assignee and, except for U.S. Pat. No. 6,199,099, are co-pending applications. U.S. Pat. No. 6,199,099 B1, Issued on Mar. 6, 2001 titled "System, Method and Article of Manufacture For a Mobile Communication Network Utilizing A Distributed Communication Network" (Ser. No. 09/263,143 filed Mar. 5, 1999); Ser. No. 091263,927, filed on Mar. 5, 1999, titled "Mobile Communication System and Method For A Shopper Agent", pending; Ser. No. 09/263,251, filed on Mar. 5, 1999, titled "A System for Utilizing a Transaction Interface In A Mobile Communication Network", pending; Ser. No. 09/263,926, filed on Mar. 5, 1999, titled "System, Method and Article of Manufacture For Advanced Mobile Health Care Processing", pending; Ser. No. 09/263,252, filed on Mar. 5, 1999, titled "System, Method and Article of Manufacture For Mobile Communication Utilizing an Interface Support Framework", pending ; Ser. No. 09/263,920, filed on Mar. 5, 1999, titled "Dynamic Configuration System and Method for a Mobile Communication Network", pending.

INT-CL: [07] G06 F 17/30

US-CL-ISSUED: 707/4; 707/3, 707/10, 705/2, 709/223, 709/226

US-CL-CURRENT: 707/4; 705/2, 707/10, 707/3, 709/223, 709/226

FIELD-OF-SEARCH: 705/2, 705/14, 705/26, 701/201, 707/5, 707/3, 707/10, 707/4, 707/102, 707/104.1, 709/223, 709/226

PRIOR-ART-DISCLOSED:

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<input type="checkbox"/> <u>5279882</u>	January 1994	Daude et al.	428/192
<input type="checkbox"/> <u>5519608</u>	May 1996	Kupiec	704/9
<input type="checkbox"/> <u>5606602</u>	February 1997	Johnson et al.	379/115
<input type="checkbox"/> <u>5640193</u>	June 1997	Wellner	348/7
<input type="checkbox"/> <u>5673322</u>	September 1997	Pepe et al.	705/52
<input type="checkbox"/> <u>5732074</u>	March 1998	Spaur et al.	370/313
<input type="checkbox"/> <u>5854624</u>	December 1998	Grant	345/169
<input type="checkbox"/> <u>5897622</u>	April 1999	Blinn et al.	705/26
<input type="checkbox"/> <u>5933811</u>	August 1999	Angles et al.	705/14
<input type="checkbox"/> <u>5948040</u>	September 1999	DeLorme et al.	701/201
<input type="checkbox"/> <u>5997476</u>	December 1999	Brown	600/300
<input type="checkbox"/> <u>6101478</u>	August 2000	Brown	705/2
<input type="checkbox"/> <u>6134548</u>	October 2000	Gottzman et al.	707/5

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January 1999

WO

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Mary Carmen Cupito; Emerging technologies: Has Their time come? Enterprise Integration; Health Management Technology; Dec. 1998.

Toh Han Shih; Online life-line; Wired for Business; Singapore Business Times; Dec. 1998.

Chris Bradley; Remote and Mobile Computing with TCP/IP; Enterprise Systems Journal; Jan. 1998.

Enhanced Services: Telecom customers will soon have one-stop, easy-to-use access to their services portfolio from anywhere, at any time, and in any way; EDGE, on & about AT&T; May 1997.

Nokia, Ericsson, Unwired Planet and Motorola unite to create an open common protocol for interactive wireless applications; Jun. 26, 1997.

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Philip R. Cohen, Adam Cheyer, Michelle Wang, Soon Cheol Baeg; An Open Agent Architecture; Software Agent Papers, AAAI Spring Symposium 1994.

Bob Emmerson; The Mobile Intranet: The next generation of GSM services will offer faster data rates and smarter messaging; May 1998; BYTE Magazine.

Timo Alanko, Markku Kojo, Mika Liljeberg; Mobile access to the Internet; a mediator-based solution; Internet Research; Electronics Networking Applications and Policy vol. 9, No. 1, pp. 58-65, 1999.

Andrezej Duda, Stephane Perret; A Network Programming Model for Mobile Applications and Information Access; Proceedings JENC7, No date.

Chu-Sing Yang, Kun-da Wu, Chun-Wei Tseng; Support an Efficient Connection for Mobile IP; Proceedings, Ninth International Workshop on Database and Expert Systems Applications; Aug. 1998, IEE, Computer Society.

Katia Sycara, Anandeep S. Pannu; The RETSINA Multiagent System; Towards Integrating Planning, Execution and Information Gathering; Proceedings of the Second International Conference on Autonomous Agents, May 1998.

ART-UNIT: 2777

PRIMARY-EXAMINER: Choules; Jack

ASSISTANT-EXAMINER: Lewis; Cheryl

ATTY-AGENT-FIRM: Morrison & Foerster LLP

ABSTRACT:

A system is disclosed that facilitates web-based information retrieval and display system. A wireless phone or similar hand-held wireless device with Internet Protocol capability is combined with other peripherals to provide a portable portal into the Internet. The wireless device prompts a user to input information of interest to the user. This information is transmitted a query to a service routine (running on a Web server). The service routine then queries the Web to find price, shipping and availability information from various Web suppliers. This information is then available for use by application programs such as wordprocessors, e-mail, accounting, graphical editors and other user tools. The system provides an innovative collaborative interface to many popular user applications that are useful in a mobile environment.

6 Claims, 30 Drawing figures

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L5: Entry 10 of 14

File: USPT

Apr 9, 2002

US-PAT-NO: 6370573

DOCUMENT-IDENTIFIER: US 6370573 B1

TITLE: System, method and article of manufacture for managing an environment of a development architecture framework

DATE-ISSUED: April 9, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bowman-Amuah, Michel K.	Colorado Springs	CO		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Accenture LLP	Palo Alto	CA			02

APPL-NO: 09/ 387651 [PALM]

DATE FILED: August 31, 1999

PARENT-CASE:

CROSS REFERENCE TO RELATED APPLICATIONS This application is related to U.S. patent applications entitled "A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR BASE SERVICES PATTERNS IN A NETCENTRIC ENVIRONMENT" (Ser. No. 09/387,653, filed on Aug. 31, 1999) and "A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR MAINTENANCE AND ADMINISTRATION IN AN E-COMMERCE APPLICATION FRAMEWORK" (Ser. No. 09/388,910, filed Aug. 31, 1999) both of which are filed concurrently herewith and which are incorporated by reference in their entirety.

INT-CL: [07] G06 F 11/30

US-CL-ISSUED: 709/223

US-CL-CURRENT: 709/223

FIELD-OF-SEARCH: 709/223, 709/224

PRIOR-ART-DISCLOSED:

U. S. PATENT DOCUMENTS

 [Search Selected](#) [Search All](#) [Clear](#)

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>5301320</u>	April 1994	McAtee et al.	705/9
<input type="checkbox"/> <u>5721908</u>	February 1998	Lagarde et al.	707/10

<input type="checkbox"/>	<u>5890133</u>	March 1999	Ernst	705/7
<input type="checkbox"/>	<u>5893905</u>	April 1999	Main et al.	705/11
<input type="checkbox"/>	<u>5905715</u>	May 1999	Azarmi et al.	370/244
<input type="checkbox"/>	<u>5907704</u>	May 1999	Gudmundson et al.	717/1
<input type="checkbox"/>	<u>5953707</u>	September 1999	Huang et al.	705/10
<input type="checkbox"/>	<u>6070190</u>	May 2000	Reps et al.	709/224
<input type="checkbox"/>	<u>6148337</u>	November 2000	Estberg et al.	709/224

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
WO 99/08208	February 1999	WO	

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ART-UNIT: 2154

PRIMARY-EXAMINER: Coulter, Kenneth R.

ATTY-AGENT-FIRM: Burton, Daphne L. Oppenheimer Wolff & Donnelly LLP

ABSTRACT:

A system, method and article of manufacture are provided for managing an environment in a development architecture framework. Service of a system is managed based on service level agreements and/or operations level agreements. A plurality of system management operations are performed. The system management operations include start-up and shut-down operations, back-up and restore operations, archiving operations, security operations, and performance monitoring operations. Service is planned in order to anticipate and implement changes in the system.

15 Claims, 14 Drawing figures

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